Opportunity

Hardy Telecommunications, Inc. ("Hardy" or "the Company") seeks support to deploy Hardy AnchorRing, a high-capacity, diverse fiber-optic Middle Mile ring in the rugged mountains of the Potomac Highlands region in Hardy County, West Virginia. The Company is a nonprofit rural telephone cooperative formed over fifty years ago in a grass roots effort to provide telephone service in an area deemed unprofitable by commercial telephone companies. Anchor institutions, public safety agencies, critical community facilities, community support organizations and the economic development authority in the area (collectively "Community Institutions"), many of whom are existing customers of the Company, have a need for higher reliability and bandwidth capacity at lower cost.

The existing Middle Mile network connecting the Hardy County service area to the Global Internet Backbone is not a diverse, redundant network today. A fiber cut on a single lateral can and has caused outages in the area. A reliable communications and broadband network is a critical need for Hardy County.

Capacity is extremely limited on the existing network. Dedicated capacity higher than 3 Mbps is unavailable in much of the area and does not meet the needs of intense users and applications such as medical imaging. The school system in the area could significantly lower replacement costs for personal computers, software, and support by deploying a public/private cloud computing system, channeling savings into academic resources, but affordable access to a high-capacity network is a requirement.

Hardy Telecommunications faces significant challenges in connecting the most rural underserved communities in its serving area due to long distances through difficult terrain to reach only a few households. A high capacity Middle Mile backbone network through the County is needed for the extension of broadband services into underserved areas of the County.

Hardy AnchorRing is a critical need for economic development in the area. The local and regional economy is concentrated in the wood products manufacturing and poultry production and processing industries, as well as in traditional agriculture products. Small businesses and entrepreneurs are of great importance to the local economy. Many of the area's labor force out commute to work nearly an hour away. Spikes in gasoline prices in recent years and intense domestic and international competitive pressure for all manufacturing areas - especially wood products heavily dependent on the weakened housing construction industry - have created a sense of urgency to create and retain jobs within the local area. Economic diversity is a key concern for Hardy County.

A primary objective for economic development calls for recruitment of businesses involved in electronic data processing and software development, which depend on reliable, affordable, and robust communications and broadband services. The region is under consideration for a "Corridor H" evacuation route from Washington DC in the event of a security emergency, but evacuees along the route would be at risk without reliable and secure communications and sufficient capacity. A private company engaged in Homeland Security training is located in the area and requires reliable and secure connectivity.

Hardy Telecommunications wishes to serve the Hardy County area at reliability, capacity, and affordability levels equal to or better than those commonly available in other areas of the U.S., but without a significant investment in infrastructure, protection and expansion of services is not an option. The Company is a nonprofit telephone cooperative with no requirement to satisfy public shareholder demand for higher returns, but it is infeasible for the Company to deploy the critically needed infrastructure without public support, due to: a) low population of only 13,420 people, limiting subscriber revenues to recover cost of deployment, and b) mountainous terrain and very low household density at only 4.47 households/mile in some areas, raising deployment costs.

Gips at inception, scatable to much brener capacities to meet future demand. The ring will
connect upstream at two togations for multi-noming, interconnecting to routes only one hop
from the Giobal Internet backtone of Washington, DC. This would allow the Company?
the longest possible cost, lowering regions in the area and increasing admitter. It world allow
the rural development authority in the area to recruit electronic back office and software)
development and surport companies from the Washington melto-
General Description of Proposed Funded Service Area
Hardy AnchorRing will traverse Tural communities in Hardy County, West Virginia.
Ridge, comprised of only 154 households and 5 businesses in a hard to reach, sparsely
Interconnection facilities will be established within the area, overcoming wireless backhaul challenges due to mountainous terrain and heavy foliage cover, and allowing for provisioning of DSL equipment or fiber to the premise last mile service equipment by Hardy Telecommunications or other service providers.
Number of Houses and Businesses Passed
There are approximately 6.114 residents, 2.540 households, and 804 highnesses in the Last
Wile Service And Land Control of the
Number of Community Anchor Institutions, Critical Community Facilities and Public Safety Sites
Interconnection will be provided for Community Institutions in the area of which 22 area
public safety sites. 37 are anchor institutions, and 30 are critical facilities including
government agencies and refleral sovernment sites. Office Community Institution sites
entitude die newspaper and rathe Matthe, ten tuntos, and major employers
Proposed Services and Applications
High Capacity Dedicated Ethernet service and/or low-cost Dedicated symmetrical Internet service will be offered to the Community Institutions
holesale rates and our additional discount will be offered to schools a comprofit health care.



Approach to Nondiscrimination and Interconnection Obligations

Hardy Telecommunications will comply with the Nondiscrimination and Interconnection Obligations of the regulations governing BIP and BTOP awards. Hardy complies with the principles of FCC Internet Policy Statement FCC 05-151. The Company displays its network management practices in a prominent position on its web page, and will notify customers of any changes to these policies. Hardy does not limit usage and does not differentiate among applications, providers, or sources; the Company allocates capacity in an application neutral manner.

dardy Anchorsking Arthur di al 1900 di canadoliv al	nception but can scale to 40 Ghips
at reasonable rates and terms in a good faith negotiation. The interconnection policies on its website.	Hardy will offer interconnection ne Company will post its
Type of Broadband System?	
Hardy AnchorRing will be a	fiber-optic network and and
	SOME OBJECTION
a to Gops. The system is highly scalable with capacity	to 140 (stops and supplied sup
	The state of the s

Qualifications of the Applicant

Hardy Telecommunication has served the area for over fifty years. With such a long and successful history of continuous service in a such a difficult to serve area; a high level of community support for the project; a governance board comprised of community members; and highly competent and experienced management and staff, Hardy Telecommunications is uniquely qualified to deploy, maintain, and sustainably operate a Middle Mile network in this sparsely populated rugged mountain area.

Overall Infrastructure Cost of the System

public funding leverages over fifty years of investment in the rural region by Hardy Telecommunications.

Expected Subscriber Projections

Subscribership was expected to decline after Fall, 2009 but the broadband adoption rate
and services that the service as a result of the control sure to the control sure to the service and service the service to th
deline the rine)
Number of Jobs to be Created or Saved
treate 34 new 1005. An investment in Hardy AnchorRing is a long-term investment that will underpin economic development in the area and generate jobs for decades to come.